## What is Claimed Is:

1. A compound having the formula:

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wherein the CO<sub>2</sub>Me, CO<sub>2</sub>H, and NH-Prot groups are attached to the central pyrrole ring via *cis*- or *trans*- bonding.

- 2. The compound of Claim 1, wherein the protecting group is selected from the group consisting of Boc, Ns, Fmoc and Cbz.
- 3. The compound of Claim 1, wherein CO<sub>2</sub>H has the configuration (S) and the quaternary center has the configuration (S).
- 4. The compound of Claim 1, wherein CO<sub>2</sub>H has the configuration (S) and the quaternary center has the configuration (R).
- 5. The compound of Claim 1, wherein CO<sub>2</sub>H has the configuration (R) and the quaternary center has the configuration (S).
- 6. The compound of Claim 1, wherein CO<sub>2</sub>H is has the configuration (R) and the quaternary center has the configuration (R).
  - 7. A compound having the formula:

$$H_2N$$
 $H_2N$ 
 $H_3N$ 
 $H_4N$ 
 $H_5N$ 
 $H_5N$ 
 $H_5N$ 
 $H_5N$ 
 $H_5N$ 
 $H_7N$ 
 $H_7N$ 

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wherein n is less than about 100 and the configurations of all stereocenters are defined by the monomers that went into making the oligomer and can be any combination of (R) and (S).

- 8. The compound of Claim 8, wherein n is less than 50.
- 9. The compound of Claim 8, wherein n is less than 40.
- 10. The compound of Claim 8, wherein n is less than 30.
- 11. The compound of Claim 8, wherein n is less than 20.
- 12. The compound of Claim 8, wherein n is less than 20.

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